

CLAIMS

1. A profiling surface for a bed or trolley comprising a frame supporting the surface, the surface having at least a back section and a thigh section, the back and thigh sections pivotally connected to the frame for movement from a horizontal position to a raised position, control means driving actuators to profile the sections, the control means raising the back and thigh sections simultaneously from a flat position until they reach a substantially equivalent angle, the thigh section remaining in that position and the back section continuing to be raised until it reaches its maximum condition, and for return of the sections to the flat position, the control means initially only lowering the back section until it reaches a substantially equivalent position to the thigh section position, and then simultaneously lowering both the back and thigh sections to the flat position.

2. A profiling surface for a bed or trolley as claimed in claim 1 wherein at higher angles of profile any adjustments only result in adjustments to the back section angle.

3. A profiling surface for a bed or trolley as claimed in any one of claims 1 or 2 wherein the actuators driving the back and thigh sections each have limit switches to detect their fully extended condition and their fully retracted condition respectively, the back section actuator further provided with a third integrated limit switch between the two end of travel limit switches, the third limit switch position substantially equating to the fully extended condition of the thigh actuator.

4. A profiling surface for a bed or trolley as claimed in claim 3 wherein when the back section actuator is in the zone between the third limit switch and its fully extended limit switch, any adjustment of the profile angle only results in actuation of the back section actuator and not the thigh section actuator.

5. A profiling surface for a bed or trolley substantially as herein described with reference to the accompanying drawings.